

**RECEIVED
CENTRAL FAX CENTER**Serial No. 10/532,342
Docket No. SNK-001-US

2

APR 14 2008 (CWA.031)

AMENDMENTS TO THE CLAIMS:

Please cancel claim 2 without prejudice or disclaimer and amend claims 1, 3-14, 16-17, and 23-28 as follows:

1. (Currently Amended) An outer surrounding body for use in construction, ~~characterized in that comprising:~~

a plurality of construction sheets ~~having wherein~~ a thin metal sheet part and a synthetic resin film ~~are constructed in layer form~~ formed on a top portion of said thin metal sheet part, said plurality of construction sheets comprising:

~~and wherein each sheet consists of a main sheet part;~~

an overlapped part formed on an end in a width direction of said main sheet part,
said overlapped part comprising: folded back into an almost hairpin-like

a hairpin fold; and

a fastening part formed flat on an outside end of said overlapped part;
~~cross-sectional shape with~~

an engaged part formed in said hairpin fold of said overlapped part; formed in its
~~bend on one end in a width direction of the main sheet;~~

an engaging part, that is formed on an other end in the width direction of the main
sheet part, for engaging and that is to be engaged and fastened with fastening on the engaged part
of a first adjacent construction sheet of the plurality of construction sheets; and;

an overlapping part that can overlap formed to overlap with the an overlapped part
and a fastening part of the first adjacent construction sheet that is formed in a substantially flat
shape from the outside end of the overlapped part,

wherein said plurality of construction sheets are disposed side by side, in such that a
portion of the main sheet of one construction sheet that is located near the overlapping part of a
second adjacent construction sheet of the plurality of construction sheets is placed on the

Serial No. 10/532,342
Docket No. SNK-001-US

3

(IWA.031)

fastening part, ~~of an adjacent construction sheet, in that the overlapping part is overlapped with overlaps said overlapped part, and engages said engaged part, and in that~~

wherein the synthetic resin film is fused around the an outer end ends of the engaged parts of the overlapping part of the second adjacent construction sheet and an inside corner of the overlapped part,

wherein the plurality of construction sheets overlap each other, and

wherein an edge of an outer end of the fastening part is bent backward such that the edge of the outer end of the fastening part is parallel with an unbent portion of the fastening part on the overlapping parts of both construction and around the inside corners of the overlapped parts.

2. (Cancelled).

3. (Currently Amended) The construction outer surrounding body according to claim 1, ~~characterized in that an engaged part is formed on said overlapped part, wherein an engaging part of the second adjacent construction sheet is formed on the overlapping part of the second adjacent construction sheet in a position corresponding to said overlapped part, and~~

wherein the engaging part of the second adjacent construction sheet is engaged with said engaged part.

4. (Currently Amended) The construction outer surrounding body according to claim 1, ~~characterized in that further comprising:~~

an eave location in the formed in an end part in a longitudinal direction of said plurality of construction sheets; sheet in the longitudinal direction and

a trough member formed in said plurality of construction sheets, by constructing a thin metal sheet part and a synthetic resin film into layer form

Serial No. 10/532,342
Docket No. SNK-001-US

4

(IWA.031)

wherein said eave location and said trough member are fused welded together with said synthetic resin film ~~via said resin welding member.~~

5. (Currently Amended) The construction outer surrounding body according to claim 1, ~~characterized in that~~ wherein said synthetic resin film is comprised of a thermoplastic resin.

6. (Withdrawn – Currently Amended) An apparatus for manufacturing an outer surrounding body for use in construction, ~~characterized in that in an apparatus~~ said apparatus forming said outer surrounding body for use in construction as defined in claim 1, said apparatus comprising:

a resin welder part formed from a car part, said car part comprising a running part, said running part driven to rotate by a driving part;

a welding member feeding apparatus for feeding out a molten resin welding member; and

a hot air blast apparatus for heating a location where the plurality of construction sheets overlap each other ~~in which a plurality of construction sheets in which a thin metal sheet part and a synthetic resin film are constructed in layer form, and each sheet has a main sheet, an overlapped part which is formed on one side of this main sheet in the width direction, and an overlapping part which is formed on the other side of the main sheet in the width direction, and which can overlap with said overlapped part, are disposed side by side, and~~

wherein resin welding is performed ~~in the connecting parts where the plurality of construction sheets overlap each other~~ overlapping parts are caused to overlap with the overlapped parts, the apparatus comprising a resin welder part which is constructed from a car part equipped with a running part that is caused to rotate by a driving part, a welding member feeding apparatus which feeds out the molten resin welding member, and a hot air blast apparatus which heats the connection locations of said adjacent construction sheets.

Serial No. 10/532,342
Docket No. SNK-001-US

5

(IWA.031)

7. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ further comprising:

a finishing roll part mounted on said car part, said finishing roll comprising:

a tightening roll that tightens where the plurality of construction sheets overlap each other; ~~the connection locations of the adjacent construction sheets,~~ and

a supporting roll for pressing against an inside part of an overlapping part, ~~is mounted on said car part.~~

8. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ further comprising:

a guide ring provided on said car part,

wherein said guide ring which is disposed in a forward-rearward direction on the a top part of where the plurality of construction sheets overlap each other ~~the connection locations of said construction sheets that are adjacent in the forward-rearward direction is provided on said car part.~~

9. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ wherein said resin welder part ~~can be~~ is freely set in an appropriate position along ~~the a~~ a vertical direction with respect to the car part.

Serial No. 10/532,342
Docket No. SNK-001-US

6

(IWA.031)

10. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ further comprising:

a feed-out nozzle mounted in the welding member feeding apparatus of said resin welder part; and

a molding surface formed in said feed-out nozzle,

wherein said feed-out nozzle that feeds out said resin welding member to where the plurality of construction sheets overlap each other ~~the connection locations of said adjacent construction sheets is mounted in the welding member feeding apparatus of said resin welder part, and a molding surface is formed in said feed-out nozzle.~~

11. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 10, ~~characterized in that~~ wherein ~~said molding surface is formed with~~ comprises a substantially polyhedral shape.

12. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ further comprising:

a pressing part mounted in the feed-out part of said welding member feeding apparatus,

wherein said pressing part that presses the main sheets sheet in the a vicinity of where the plurality of construction sheets overlap each other ~~the connection locations of the adjacent construction sheets is mounted in the feed-out part of said welding member feeding apparatus.~~

Serial No. 10/532,342
Docket No. SNK-001-US

7

(IWA.031)

13. (Withdrawn – Currently Amended) The apparatus for manufacturing an outer surrounding body for use in construction according to claim 6, ~~characterized in that~~ further comprising:

~~the a running ring of said running part consists of comprising:~~

a front ring part; and

a rear ring part, and

wherein ~~both~~ said front ring part and rear ring part are both rotationally driven by said driving part.

14. (Currently Amended) A construction sheet, comprising:

a synthetic resin film covering a thin metal sheet, the thin metal sheet comprising:

a flat main sheet;

an overlapped part rising above the flat main sheet and connected to a first side end of the flat main sheet, comprising an engaged part that engages with an engaging part of an adjacent construction sheet;

a fastening part connected to the overlapped part, the fastening part comprising:

a surface parallel to the flat main sheet; and

a fastening fitting to fasten the construction sheet to an underlying part;

and

an overlapping part rising above the flat main sheet and connected to a second side end of the flat main sheet, comprising an engaging part that engages with an engaged part of an adjacent construction sheet,

wherein the overlapping part overlaps an overlapped part of an adjacent construction sheet and the overlapped part is overlapped by an overlapping part of an other adjacent construction sheet, and

Serial No. 10/532,342
Docket No. SNK-001-US

8

(IWA.031)

wherein an edge of an outer end of the fastening part is bent backward such that the edge of the outer end of the fastening part is parallel with an unbent portion of the fastening part.

15. (Previously Presented) The construction sheet according to claim 14, wherein the overlapped part further comprises a hairpin-like cross-sectional shape, and the overlapping part comprises an arch-form cross-sectional shape.

16. (Currently Amended) The construction sheet according to claim 15, wherein the overlapped part further comprises a corner part inside the hairpin-like cross-sectional shape, and wherein the overlapped part and ~~an~~ the overlapping part of ~~an~~ the other adjacent construction sheet are fused by resin welding.

17. (Currently Amended) The construction sheet according to claim 16, wherein the overlapped part is filled with a resin welding member, and fused with the synthetic resin film located at the overlapped part, and fused with a synthetic resin film located at ~~an~~ the overlapping part of ~~an~~ the other adjacent construction sheet.

18. (Previously Presented) The construction sheet according to claim 14, further comprising:

a trough structure, mounted on a bottom end of the construction sheet, comprising:

a trough main body comprising a square cross-sectional shape;

an attachment part comprising an upper end of a side part of the trough main body such that the attachment part is horizontally bent toward the bottom end of the construction sheet;
and

Serial No. 10/532,342
Docket No. SNK-001-US

9

(IWA.031)

a hanging part comprising an area between the attachment part and the bottom end of the construction sheet.

19. (Previously Presented) The construction sheet according to claim 18, wherein the underlying part is underneath the construction sheet, the hanging part, the attachment part, and a side of the trough main body closest to the bottom end of the construction sheet, and comprises an underlying synthetic resin film covering an underlying thin metal sheet.

20. (Previously Presented) The construction sheet according to claim 19, wherein the resin welding member is fused by resin welding to the underlying synthetic resin film.

21. (Previously Presented) The construction sheet according to claim 20, wherein the hanging part, the attachment part, and the underlying part are fused together.

22. (Previously Presented) The construction sheet according to claim 21, wherein a bottom side of the trough main body is supported by a bracket fastened to the underlying part.

23. (Currently Amended) The construction sheet according to claim 19, wherein the trough structure is continuously formed ~~so~~ such that the trough main body and the underlying part constitute an integral unit.

24. (Currently Amended) A construction sheet, comprising:
a synthetic resin film covering a thin metal sheet, the thin metal sheet comprising:
a flat main sheet;

Serial No. 10/532,342
Docket No. SNK-001-US

10

(IWA.031)

an overlapped part rising above the flat main sheet and connected to a first side end of the flat main sheet, comprising:

a fastening part continuously formed from the overlapped part, the fastening part comprising:

a surface parallel to the flat main sheet; and

a fastening fitting to fasten the construction sheet to an underlying part; and

an overlapping part rising above the flat main sheet and connected to a second side end of the flat main sheet,

wherein the overlapping part overlaps an overlapped part of ~~an~~ one adjacent construction sheet and the overlapped part is overlapped by an overlapping part of an other adjacent construction sheet, and

wherein an edge of an outer end of the fastening part is bent backward such that the edge of the outer end of the fastening part is parallel with an unbent portion of the fastening part.

25. (Currently Amended) The construction sheet according to claim 24, wherein the overlapped part ~~further~~ comprises:

an engaged part that engages with an engaging part of ~~an~~ the other adjacent construction sheet, said engaged part ~~and is~~ recessed inside the overlapped part; and

an inverted U-type shape, and

wherein the overlapping part ~~further~~ comprises:

an inverted U-type shape; and

an engaging part of the overlapping part that engages with an engaged part of an the one adjacent construction sheet, said engaging part ~~sheet and~~ is recessed toward an inside of the overlapping part into a shallow V-type shape.

Serial No. 10/532,342
Docket No. SNK-001-US

11.

(IWA.031)

26. (Currently Amended) The construction sheet according to claim 24 ~~25~~, further comprising:

a suspension element, comprising:

a fastening base part; and

a retaining part comprising an inverted U-type shape,

wherein the overlapped part is fastened by the retaining part;

through-holes are bored in the fastening base part; and

fastening fittings are passed through the through-holes and fastened to the underlying part.

27. (Currently Amended) The construction sheet according to claim 25 ~~26~~, wherein the overlapped part further comprises a corner part inside the inverted U-type shape, and

wherein the overlapped part and ~~an~~ the overlapping part of ~~an~~ the other adjacent construction sheet are fused by resin welding.

28. (Currently Amended) The construction sheet according to claim 27, wherein the overlapped part is filled with a resin welding member, and

wherein the overlapped part is fused with the synthetic resin film located at the overlapped part and a synthetic resin film located at ~~an~~ the overlapping part of ~~an~~ the other adjacent construction sheet.